

Title (en)  
DNA detection via complex of reassociated strings

Title (de)  
DNA-Nachweis über einen Strangreassoziationskomplex

Title (fr)  
Détection de l'ADN par la formation d'une complexe des brins réassociés

Publication  
**EP 1595960 A1 20051116 (DE)**

Application  
**EP 05012873 A 19990529**

Priority  
• EP 99110458 A 19990529  
• DE 19824900 A 19980604  
• EP 05012873 A 19990529

Abstract (en)  
Selective detection of nucleic acid (NA) comprising amplification (primer extension); binding products to a capture probe (CP); separation of CP-bound extension products and measuring label in the probe, is new. Selective detection of nucleic acid (NA) comprises: (a) amplifying at least part of NA with two primers (one for each strand), where at least one is labeled, to form an extension product (EP); (b) binding EP to a capture probe (CP), forming a hybridization complex; (c) separating the EP-CP product from non-bound components of the reaction mixture; and (d) measuring the label on CP. CP is designed to bind to the strand of EP that also hybridizes to the product formed by extension of the labeled primer. An independent claim is also included for a reagent kit for detecting NA, containing at least one labeled primer and at least two different immobilized or immobilizable CP, where the primer and CP bind to the same strand of the extension product.

Abstract (de)  
Durch die Kombination mindestens eines markierten Primers zur Herstellung von Amplifikaten zweier Stränge einer Nucleinsäure mit einer Fangsonde, die komplementär zu einem Strang der Nucleinsäure ist, und die Bildung eines Assoziationskomplexes wird eine Erhöhung der Diskriminierungsfähigkeit bei Hybridisierungssassays erreicht.

IPC 1-7  
**C12Q 1/68**

IPC 8 full level  
**C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6834** (2018.01); **C12Q 1/6844** (2018.01); **C12Q 1/686** (2018.01)

CPC (source: EP US)  
**C12Q 1/6834** (2013.01 - EP US); **C12Q 1/6844** (2013.01 - EP US); **C12Q 1/6846** (2013.01 - EP US); **C12Q 1/686** (2013.01 - EP US);  
**Y10S 435/912** (2013.01 - EP US)

Citation (search report)  
• [X] WO 9525538 A1 19950928 - GEN HOSPITAL CORP [US], et al  
• [X] EP 0357011 A2 19900307 - ABBOTT LAB [US]  
• [A] DE 4041608 A1 19920625 - BOEHRINGER MANNHEIM GMBH [DE]  
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AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0962536 A1 19991208**; **EP 0962536 B1 20060118**; AT E316151 T1 20060215; AT E408030 T1 20080915; CA 2273471 A1 19991204; DE 19824900 A1 19991209; DE 19824900 B4 20060504; DE 59913055 D1 20060406; DE 59914868 D1 20081023; EP 1595960 A1 20051116; EP 1595960 B1 20080910; ES 2256984 T3 20060716; JP 2000023698 A 20000125; US 2003152937 A1 20030814; US 6410235 B1 20020625; US 6790623 B2 20040914

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